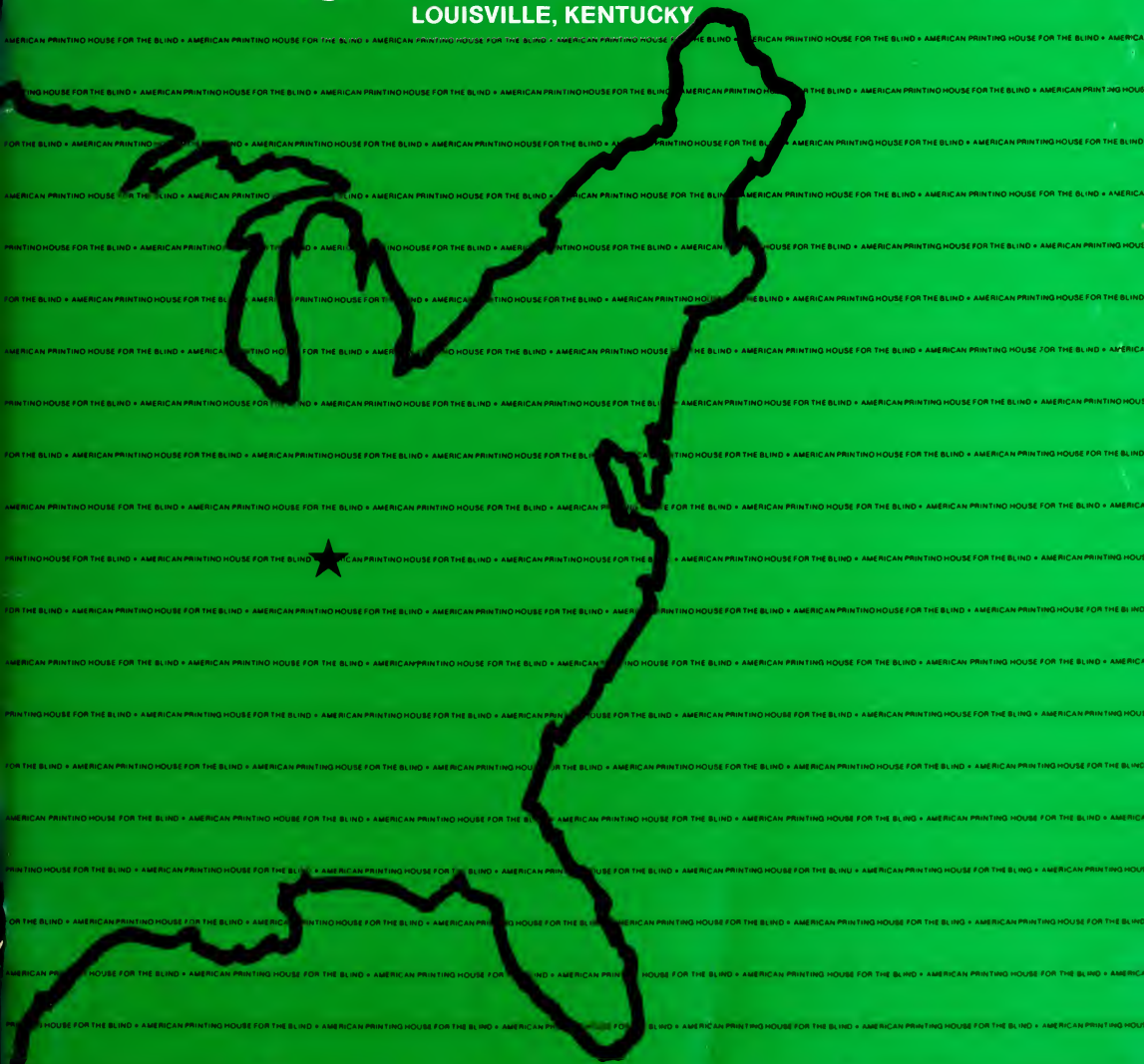


American Printing House for the Blind

INCORPORATED
LOUISVILLE, KENTUCKY



ONE HUNDRED AND ELEVENTH
REPORT FOR THE YEAR ENDING
JUNE 30, 1979



ONE HUNDRED AND ELEVENTH REPORT
of the
BOARD OF TRUSTEES
of the
AMERICAN PRINTING HOUSE
FOR THE BLIND
INCORPORATED

Louisville, Kentucky

For the Year Ending June 30, 1979



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and

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The Executive Head of each Institution for the Education of the Blind (or his designee), and
the Chief State School Officer of each State Department of Education (or his designee) of the
United States and its Possessions

SECRETARY'S PAGE

The Annual Meeting of the Board of Trustees of the American Printing House for the Blind convened at 12:30 p.m., October 30, 1979 at Stouffer's Louisville Inn, Louisville, Kentucky with the following members present.

CORPORATE TRUSTEES

Mr. Joseph B. Woodlief, Chairman
Mr. John W. Barr, III, Treasurer
Mr. Finis E. Davis

EX OFFICIO TRUSTEES

Mr. R. C. Benton, Superintendent, Mississippi School for the Blind, Jackson, Mississippi
Mr. Charles B. Boyer, Superintendent, South Dakota School for the Visually Handicapped, Aberdeen, South Dakota
Mr. Jack W. Brady, Superintendent, West Virginia Schools for the Deaf and the Blind, Romney, West Virginia
Mrs. Jane E. Brodie, State Consultant, Alaska State Department of Education, Anchorage, Alaska
Dr. Roy J. Brothers, Superintendent, Washington State School for the Blind, Vancouver, Washington
Miss Gloria Calovini, Director, Illinois Office of Education, Springfield, Illinois
Mr. R. M. Casey, Superintendent, Parkview School, Muskogee, Oklahoma
Mr. Garland Cross, Superintendent, Tennessee School for the Blind, Nashville, Tennessee
Mr. Bill Davis, APH Media Coordinator, New Mexico School for the Visually Handicapped, Alamogordo, New Mexico
Mr. Robert T. Dawson, Superintendent, Colorado School for the Deaf and the Blind, Colorado Springs, Colorado
Mr. Richard M. DeMott, Superintendent, Iowa Braille and Sight Saving School, Vinton, Iowa
Mr. David P. Dorr, Supervisor, Special Education/Visually Handicapped Children, State of Maine, Augusta, Maine
Mr. Donald H. Edwards, Director, Oregon State School for the Blind, Salem, Oregon
Mr. William H. English, Superintendent, Wisconsin School for the Visually Handicapped, Janesville, Wisconsin
Mr. Will D. Evans, Superintendent, Kentucky School for the Blind, Louisville, Kentucky
Mrs. Julia French, Director, Division of Physically Handicapped, Kentucky Department of Education, Frankfort, Kentucky
Mr. Harold L. Hodges, Education Program Specialist, Kansas State Department of Education, Topeka, Kansas
Mr. Dennis L. Holmes, Superintendent, Ohio State School for the Blind, Columbus, Ohio
Mrs. Isabella Holmes, Coordinator, Physical Handicaps Special Education, Georgia State Department of Education, Atlanta, Georgia
Mr. Durward A. Hutchinson, Superintendent, Indiana School for the Blind, Indianapolis, Indiana
Mr. Richard E. Hyer, Jr., Superintendent, Georgia Academy for the Blind, Macon, Georgia
Mrs. Janie Fox Jones, Chief Consultant, Texas Education Agency, Austin, Texas
Dr. William G. Kalenius, Jr., Washington State Department of Public Instruction, Tacoma, Washington

Mr. Vahram Kashmanian, Director of Educational Services, New Jersey Commission for the Blind, Newark, New Jersey

Mrs. Billie Levy, Supervisor, Louisiana State Department of Education, Baton Rouge, Louisiana

Mr. Paul Lewis, Supervisor, Florida State Department of Education, Tampa, Florida

Miss Elinor H. Long, Supervisor, Pennsylvania Department of Education, Harrisburg, Pennsylvania

Dr. Robert E. Long, Chief of Children's Services, Connecticut State Board of Education and Services for the Blind, Wethersfield, Connecticut

Mr. Floyd J. McDowell, Superintendent, Montana State Department of Public Instruction, Great Falls, Montana

Mr. Jonathan McIntire, Consultant, Special Education Section, New Hampshire State Department of Education, Concord, New Hampshire

Mr. Vernon Metcalf, Executive Director, The Florida Association of Workers for the Blind, Inc., Miami, Florida

Mr. James J. Myers, Jr., Director, Hope School, Springfield, Illinois

Mr. Raymond S. Myers, Specialist, Oregon State Department of Education, Salem, Oregon

Mr. Andrew S. Papineau, Educational Consultant I, Supervisor for Visually Handicapped, Wisconsin State Department of Public Instruction, Madison, Wisconsin

Mr. Frank S. Penland, Director, Educational Services, Virginia Commission for the Visually Handicapped, Richmond, Virginia

Mrs. Anna Perry, Director of Education, Royer-Greaves School for the Blind, Paoli, Pennsylvania

Mr. Anthony J. Pizzolato, Assistant Superintendent for Instruction, Louisiana School for the Visually Impaired, Baton Rouge, Louisiana

Mrs. Mary C. Powers, Consultant for the Visually Handicapped, South Carolina Department of Education, Columbia, South Carolina

Mr. Jerry L. Regler, Superintendent, Nebraska School for the Visually Handicapped, Nebraska City, Nebraska

Mr. H. Smith Shumway, Director, Wyoming State Department of Education, Cheyenne, Wyoming

Mr. Frederick L. Sinclair, Consultant, California State Department of Education, Sacramento, California

Miss Marilyn Sorensen, Consultant, Minnesota State Department of Education, St. Paul, Minnesota

Mr. John D. Stager, Education Specialist II, Consultant for Visually Handicapped Children, Massachusetts Department of Education, West Boylston, Massachusetts

Mr. Keith W. Tolzin, Superintendent, Idaho State School for the Deaf and the Blind, Gooding, Idaho

Dr. Richard G. Umsted, Superintendent, Illinois School for the Visually Impaired, Jacksonville, Illinois

Mr. Newton F. Walker, Superintendent, South Carolina School for the Deaf and the Blind, Spartanburg, South Carolina

Mr. Roger C. Walker, Director, New York Institute for the Education of the Blind, Bronx, New York

Mr. Jerry Watkins, Superintendent, New Mexico State Department of Education, Alamogordo, New Mexico

Mr. Richard L. Welsh, Superintendent, The Maryland School for the Blind, Baltimore, Maryland

Mr. Charles C. Woodcock, Director, Perkins School for the Blind, Watertown, Massachusetts

Mr. J. M. Woolly, Superintendent, Arkansas School for the Blind and The Arkansas State Department of Education, Little Rock, Arkansas

Guests present were the following members of the Staff of the American Printing House for the Blind:

Mr. Robert L. Haynes, Data Processing Manager

Miss Jane T. Kent, Office Manager

Mr. Carl W. Lappin, Director, Instructional Materials Research Center

Mr. Ralph E. McCracken, Editor

Miss Hazel V. Maffet, Manager, Circulation and Program Support

Miss June E. Morris, Director, Educational Research

Ms. Geraldine Santos, Secretary to Dr. Nolan

Mr. Glenn Scheurich, Production Manager

Upon conclusion of the luncheon, Dr. Nolan introduced members of the Corporate Board and asked the Ex Officio Trustees as well as the guests to introduce themselves. Dr. Nolan then turned the meeting over to Mr. Woodlief who presided.

After expressing his pleasure at being a member of the group, Mr. Woodlief gave the Chairman's Report.

Reports of the Publications Committee, Educational Aids Committee, and Educational Research Committees were next presented by their respective Chairpersons, Dr. Richard G. Umsted, Miss Marilyn Sorensen, and Mr. Charles Woodcock. Upon motion, duly seconded and passed, each report was approved and ordered published in the annual report.

Mr. John D. Stager, Chairman of the Nominating Committee, composed of Mrs. Mary C. Powers and Dr. Richard M. DeMott placed in nomination the following Ex Officio Trustees who were duly seconded and elected:

Publications Committee:

Mr. Newton F. Walker — Chairman — one year — South Carolina School for the Blind

Mr. Paul Lewis — for a term of five years — Florida Instructional Materials Center for the Visually Handicapped

Educational Research Committee:

Dr. Nancy J. Bryant — Chairperson — two years — Michigan School for the Blind

Mr. Frank S. Penland — for a term of one year — Virginia State Department of Education

Dr. Robert E. Long — for a term of five years — Connecticut State Board of Education and Services for the Blind

Educational Aids Committee:

Mr. Will D. Evans — Chairman — one year — Kentucky School for the Blind

Mrs. Jane E. Brodie — for a term of five years — Alaska State Department of Education

Following this, Dr. Nolan gave the report of the President.

There being no further business, the meeting adjourned at 2:10 p.m.

Respectfully submitted,

Carson Y. Nolan, Ph.D.
Secretary

REPORT OF THE CHAIRMAN, BOARD OF TRUSTEES

In the name of the Corporate Board, may I welcome you to this annual meeting of our Ex Officio Trustees. This is a very special meeting for all of us since it marks the 100th anniversary of the "Act to Promote the Education of the Blind". I hope you enjoyed the special program yesterday afternoon held to commemorate this event. Equally, I hope you have found our Saturday workshops, the Committee meeting, and the other presentations interesting and helpful.

This is my first opportunity to meet with you in my new role as Chairman of the Corporate Board. It is a distinct pleasure and I am looking forward to a long and successful cooperative effort with our Ex Officio Trustees.

Once again economic factors are making it exceedingly difficult to hold down the prices of the special materials we supply. Rising costs of utilities and raw materials, particularly paper and petroleum based products, are a continuing problem. Federally imposed costs such as increases in the minimum wage and increases in the social security tax add to our difficulties.

We have tried to offset the effects of these and other increased costs through greater efficiency. The last 18 months have been a period of serious self-study at the Printing House involving both our own staff and outside consultants. The first outcome was the reorganization of our production effort into five operating divisions under one manager. This change coupled with continuing improvement in personnel management has helped greatly. The effect is that we have increased our productivity while reducing our work force by about seven percent.

Overall, this has been a highly productive year and the Printing House continues to grow. Our sales increased 5% last year to

total \$9,901,295. In terms of staff, a formal personnel section was added to our business office and the cost accounting staff strengthened. We have added three new recording studios to our Talking Book Division. Two new flexible record presses have also been acquired. Construction has been started on a new building addition of four floors at the rear of our present plant. This addition, which will total 55,000 square feet, will ultimately cost about \$2,000,000. It will be used for raw materials and finished goods warehousing and will house much of our Manufacturing Division. Let me emphasize that this effort to increase our capacity for timely supply of educational and other materials is being financed solely by APH funds.

This year we experienced several changes in our Corporate Board. We regretfully accepted the resignation of Lyman C. Martin, Jr. Mr. Martin had served on our Board for over fifteen years. It will be difficult to replace him with a person of equal caliber.

Last June, Watson B. Dabney, our President, resigned that office after a tenure of ten years. He will remain a member of the Board. His term of office was marked by significant growth of the Printing House in a variety of dimensions. This growth can be expressed through several comparative statistics. In 1969, APH sales were \$3,661,000 compared to \$9,901,295 in 1979; the 1969 quota was \$1,350,000 compared to \$3,916,000 in 1979; the APH Endowment Fund was \$1,722,820 compared with \$4,973,394 today; and APH net worth was \$7,980,782 compared with \$17,466,594 today. The significant growth in these indices provides a strong testament to the high quality of the leadership given by Watson Dabney. All of us who are trustees, together with our consumers who are visually handicapped, will be forever in his debt.

Upon Mr. Dabney's resignation, I was honored by the Corporate Board, through election to its Presidency. Mr. Dabney's record of achievement over the last ten years is going to be difficult to match, however, the high level of growth in productivity during his tenure sets a standard for which I shall strive. It is indeed a privilege to be given a leadership role within a group composed of people as distinguished in business and education as our Corporate and Ex Officio Trustees. I will bend every effort to serve you, our Printing House employees, and our blind consumers well.

Subsequently, in order to bring the

Printing House into closer alignment with current business usage, the Corporate Board elected me Chairman of that Board and also elected Dr. Nolan President of the American Printing House.

In closing, I would like to express my deep appreciation to our Ex Officio Trustees for their cooperation and support during the year. I would like to thank our Corporate Board members for the trust imposed in me. Especially, I wish to thank the employees of the Printing House, Dr. Nolan, and his staff for their successful efforts during the year.

REPORT OF THE PRESIDENT

Welcome to the one-hundred eleventh Annual Meeting of the Board of Trustees of the American Printing House for the Blind. On this special centennial year of the "Act to Promote the Education of the Blind", our Ex Officio Trustees and fellow educators have gathered here in Louisville. It is a pleasure to see all of you every year and this year particularly.

The number of blind children registered under the Federal Act totalled 33,061 as of January 1, 1979. Registrations were received from 147 agencies. The number of students registered represented an increase of 596 over that registered in 1978. This year 24,354 students were registered by state departments of education, 6807 students registered by residential schools for the blind, and 1900 persons registered by state commissions and rehabilitation programs. Five thousand six hundred and seventy one of the total read braille, 13,201 read large type, 996 read both, and 13,193 read neither.

The appropriation for Fiscal 1980 under the Federal Act is 4,349,000. The amount for educational materials is 4,024,000 which will yield a per capita amount per student of \$121.71. Included in the appropriation are \$85,000 for administration of the Act and \$250,000 for educational and technical research.

As our Chairman indicated, this has been a very productive year for us. We have not only caught up on most of our back orders, particularly in short run large type and educational aids, but in addition have completed our textbook production earlier in the year than planned. We hope you have noted the results of these efforts in increased deliveries from us. Our success here has been a mixed blessing. While we are pleased at the possibility of giving you much better service, we are concerned with a by-product of these efforts which is an increase in our finished

goods inventory of about forty percent. This has, of course, tied up a significant amount of our operating capital. Let me strongly urge each of you to help us by making maximum use of this inventory of materials through expenditure of your quota and other funds.

TALKING BOOKS AND ELECTRONIC ASSEMBLY

Our studio capacity was increased this year by 50%. We are recording on a 12 hour schedule daily. Increased capacity was necessary to accomodate recording of the World Book Encyclopedia as well as other work.

World Book will be reproduced on 290 C-90 cassettes and bound with braille and large type indexes in 22 volumes. The special tape player necessary was developed at APH and will be assembled here. Our target date for delivery of the recorded encyclopedia is September 1980.

Flexible record production was up 26% over last year and we anticipate an equal or greater increase in production this year. Modification of our cassette loading equipment enabled us to increase cassette production by 13%. Demand for rigid discs was down 47% and we expect this demand to disappear in the near future.

BRAILLE

Production of braille was up 28% over last year to a total of 55 million pages. In terms of titles we produced 159 textbooks, 537 magazines, 50 trade books for the National Library Service, and 105 miscellaneous titles for other agencies. We were fortunate to recover fully from the effects of our fire by early November. Without this problem, production would have been higher.

During the year we received 200 new

hand-transcribed masters for reproduction by vacuum-form. We processed 1,093 orders for vacuum-form texts, principally in reading and mathematics.

LARGE TYPE

We produced 60 new textbooks, mostly reading series, in regular large type last year. Production was up slightly. Short run production was nearly doubled in terms of number of pages printed. One-hundred-ninety-five new titles of texts and tests were printed in short run. Reprints totalled 705 titles. Materials published in short run are primarily basic readers, spelling texts, mathematics texts, fiction, and educational and mental tests.

EDUCATIONAL AIDS

Educational Aids production has increased over 200% compared to last year. The backlog of demand created by our recall has been supplied as have almost all orders received by June 1, 1979. While still restricted in manufacturing space, we have improved our efficiency through addition of four spray booths. Completion of the new building addition described in our Chairman's report should provide ample space for aids manufacture. Enlargement of this activity should enable us to put into inventory all aids previously developed and maintain a full inventory of all aids.

EDUCATIONAL RESEARCH

Review of needs for educational research and development has been a primary concern this year. The survey of ex officio trustees confirmed that our current R & D effort is pretty much on target. Additional efforts were made to identify specific needs and assign priorities for satisfying these in the areas of educational measures, early childhood education, mathematics, and science.

A big effort in the department has been

the editing and overall coordination of the project to produce a recorded edition of World Book Encyclopedia. This is one of the largest single projects APH has ever undertaken and requires coordination of design and production in recording, braille, large type, and electronic assembly.

The Department responded to a special demand this year for instructional materials to accompany the APH Student Speech Plus Calculator. One self-instructional manual emphasizes fundamental operations in calculation. A second emphasizes problem solving. These manuals, in both braille and large type, may be used as early as the fourth grade.

CENTRAL CATALOG OF VOLUNTEER PRODUCED TEXTBOOKS

This year the number of textbook titles listed in the Central Catalog exceeded 100,000. During the year we answered 10,500 written inquiries about text availability and 2700 telephone inquiries. Three-thousand-nine-hundred special lists, catalogs, and guides for teachers were also distributed.

For most of its life, the Central Catalog has received some kind of federal support. This support ended two years ago. Because maintenance of the Catalog is so expensive, we feel justified in ceasing to provide free print copies. In the future, all print catalogs supplied to the schools will be provided at cost.

MAGAZINE SUBSCRIPTION AND PROGRAM SUPPORT

We have had a very busy year in this area as well. In the management of 59 braille and 7 recorded periodicals, we reproduced 650,000 names on some type of mailing container. Circulation of our own two recorded magazines, Reader's Digest and Newsweek, was about 22,000 and 16,000 respectively. We estimate that three readers use each copy of Reader's Digest.

We mailed almost 4 million appeals to support these magazines. Over 25,000 persons contributed to Newsweek and over 38,000 contributed to Reader's Digest. We are deeply grateful to the public for this support. As most of you are aware, our Reader's Digest contributions provide a significant source of funds for acquisition of buildings and manufacturing equipment.

As has been stated earlier, we have had a very fruitful year at the Printing House. For this I am deeply indebted to my staff including Jane Kent, Bob Haynes, Ralph McCracken, June Morris, Carl Lappin, Hazel Maffet, and Glenn Scheurich. Critical to this year's achievement has been the excel-

lent performance of the managers of our new Production Divisions, Dick Gatewood, Bill Maple, Wayne Brown, Jerry Maddux, and Bob Phelps.

I am deeply appreciative for the support given me during the year by our Corporate Board of Trustees. To former President Dabney, I owe much for his guidance and council during this last year and the previous two years. The Printing House will be forever in his debt for the leadership he has shown. All of us at the Printing House were greatly pleased by the election of Joseph B. Woodlief to Chairman of our Board. We are all looking forward to years of continuing improvement of service under his direction.

REPORT OF THE PUBLICATIONS COMMITTEE

In attendance were:

Richard Umsted, Superintendent, Illinois School for Visually Impaired
Floyd McDowell, Superintendent, Montana School for Deaf and Blind
Andrew Papineau, Wisconsin State Department
N. F. Walker, Superintendent, South Carolina School for Deaf and Blind
Anna Perry, Royer Greaves School for the Blind

Dr. Carson Nolan, President
Carl Lappin, Textbook Consultant
Ralph McCracken, Editor
Annette Bettinger, Assistant Editor
Barbara Bunuan, Assistant Editor

The meeting of the Publication Committee convened at 1:45 P.M., on Sunday, October 28, 1979 with all members present plus approximately 100 ex officio trustees, guests and APH staff members.

Dr. Nolan welcomed the group and after introductory remarks turned the meeting over to Dr. Umsted.

Dr. Umsted introduced committee members and then called on Mr. McCracken to give a report on the Editorial Department for fiscal 1979. It was stated that all braille and regular run large type textbooks for the primary list approved in November of 1978 were completed. In addition ELEMENTARY PROBLEM SOLVING and ELEMENTARY COMPUTATION in braille and large type have been added to our catalogs.

Two hundred new hand-transcribed masters have been added to our vacuum-form "library". One thousand and ninety-three orders for vacuum-form books have been processed this past year.

One hundred ninety-five new titles in short-run large type have been added to our catalog. Reprints have increased to 705.

Mr. Lappin reviewed the textbook titles for adoption. These titles are listed following this report.

N. F. Walker moved the adoption of the entire list and Anna Perry seconded the motion. The motion was approved by the committee.

Mr. Lappin indicated that the McMillan Reading Series, 1980 are to be presented next year. He made mention of the following work of the Research Department: WORLD BOOK ENCYCLOPEDIA, BRAILLE READING SERIES, STANFORD DIAGNOSTIC READING TEST and THE KEY MATH TEST.

The following needs were brought up by members of the audience, in the area of dictionaries. Can the Vest Pocket Dictionary be updated? Can a one volume Large Type Dictionary be provided?

Dr. Nolan commended those involved in production and thanked them for a job well done.

The following are textbooks approved by the committee:

THE MULTIPLE SKILLS SERIES (32 titles)

THE SPECIFIC SKILL SERIES (96 titles)

BASICS IN READING (42 titles)

HEALTH: DECISIONS FOR GROWTH
AT YOUR BEST
YOU LEARN AND CHANGE
BALANCE IN YOUR LIFE
TOWARD YOUR FUTURE

HOLT SCHOOL MATHEMATICS

Grade 3

Grade 4

Grade 5

Grade 6

THE BOY SCOUT HANDBOOK, 1979 will be available in cassette.

The meeting adjourned at 2:15 P.M.

REPORT OF THE EDUCATIONAL RESEARCH COMMITTEE

The Educational Research Committee consists of the following members:

Charles Woodcock, Chairperson, Massachusetts
Nancy Bryant, Michigan
Jonathan McIntire, New Hampshire
Robert Bischoff, Utah

This committee met in April with members of the Educational Aids Committee, members of the APH Educational Research and Development staff, personnel involved in production of aids and appliances, and APH administrative staff.

The meeting proved to be productive and the committee adopted the concept of a mid-year meeting and will meet again in May 1980.

Having met in April, the need for a formal meeting at the Annual Meeting was reduced or eliminated and the procedure for presentation of material at the Annual Meeting was outlined as follows:

1. Committee would meet and approve the research report—having previously received a copy in the mail.
2. Research staff would present various "update" reports to the gathering of trustees and guests.

The report was mailed to the Committee on October 4, 1979.

This report is abstracted from the 43 page report published for the Educational Research Committee by the APH Department of Educational Research (**Report on Research and Development Activities—Fiscal 1979**). To obtain a copy of the full 43 page report to learn the specific details of each research and development item herein, write to the Department of Educational Research, American Printing House for the Blind, 1839 Frankfort Avenue (P. O. Box 6085), Louisville, Kentucky 40206.

It should be noted that the full report contains attachments giving credit to:

58 agencies participating in research during FY 1979
194 consultants during FY 1979
26 research and development personnel for FY 1979
10 publications during FY 1979

Funding for projects has come from APH's direct appropriation from the federal government for research and development, the Bureau of Education for the Handicapped, and the National Science Foundation.

The success of APH's research program reflects the full cooperation afforded it by agencies and individuals and APH's leadership and staff.

Following is a list of specific research activities undertaken and/or planned during FY 1979.*

Progress in Specific Research Activities

Early Childhood and Multihandicapped

Needs Identification: Early Childhood Materials
Sensory Stimulation Kit
Flashlight and Penlight with Color Caps
Materials for Fine Motor Skills Development: Manipulative Trays and Activity Center
Auditory Nerf Ball
Prevocational Materials Development

Low Vision

Low Vision Stimulation and Training Materials for Developmentally Young Visually Impaired Students (0-36 months)
Light Box and Accompanying Materials for Developmentally Young Students (0-48 months)
Revision of the Utilization of Low Vision Kit

* Abstracts have been omitted in the interest of space. The full report of the year's activities is available as indicated.

Reading

- Beginning Braille Reading Series
- Criterion Referenced Tests for Beginning Braille Reading Series

Mathematics

- Needs Identification: Mathematics
- Metric Measurement Materials and Aids
 - Volume/Capacity
 - Mass/Weight
- Two- and Three-Dimensional Relationships
- Introductory Mathematics Project
- Needs Identification: APH Student Speech Plus Calculator—A Market Study
- APH Student Speech Plus Calculator Materials

Science

- Needs Identification: Science
- Biological Models Development in Cell Division
- Audio-Tutorial Reference Materials in Biology (Cell Division)
- Micro-Slide Cassette Program
- Annotated Bibliography of Science for Blind Students

Social Science

- Continental Relief Map Cassette Program

Tactile Graphics

- Needs Identification: Tactile Graphics
- Graph Studies
- Graph Interpretation
- Tactile Display Kit
- Plate Embossing Equipment

Educational Measures

- Needs Identification: Educational Measures
- Test Adaptation
 - KeyMath Diagnostic Arithmetic Test
 - Stanford Diagnostic Reading Test
 - 1982 Stanford Achievement Series

Other Research

- Educational Games
 - Silly Sandwich
 - Sneaky Snake
 - Game Kit
- Special Lamp Project
- Relationship between Visual Acuity, Reading Mode, and School Systems for Blind Students—A 1979 Replication
- Academic Achievement of Legally Blind Students

Application of Listening Research

- Recorded References for the Visually Impaired and Other Handicapped

On Sunday, October 28, 1979, Mr. Charles Woodcock and Mr. Jonathan McIntire, the only members of the Educational Research Committee attending the Annual Meeting, met with Dr. Carson Nolan, President of APH, and Miss June Morris, Director of the Department of Educational Research, regarding the Department's report of its FY 1979 activities. The committee members present voted to accept the report as written.

Respectfully submitted,

Charles C. Woodcock
Chairperson

REPORT OF THE EDUCATIONAL AIDS COMMITTEE

The meeting of the Educational Aids Committee was convened on Sunday, October 28, 1979 at 4:30 p.m. at Stouffer's Inn with all members present. They included Marilyn Sorensen, Will Evans, Harold Hodges, James Meyers, and Don Edwards.

June Morris, Director, Department of Educational Research, explained the efforts of APH to effectively utilize expertise of the Educational Aids and Research Committee members. In April 1979, they were invited to Louisville to meet with APH staff exchanging ideas, sharing information, and reporting on the status of current research efforts. This proved to be a valuable session for both APH and committee members. Knowledge gained from the April 1979 meeting coupled with the FY 1979 Educational Research report and supplementary materials enabled committee members to make more informed recommendations. Miss Morris reported that APH plans to continue the spring work session for the Research and Educational Aids Committees in May 1980.

It was announced by the chairman that the meeting agenda would include discussion about:

- I Desk lamp modifications
- II Program to Develop Visual Efficiency
- III Prevocational materials
- IV Science, math, and social studies materials
- V Report process

Amie Dennison presented information about the desk lamp with a flexible neck and rheostat for use with low vision students. The committee recommended unanimous approval for production.

The Program to Develop Visual Efficiency was discussed by Edward Berla, who described field evaluation procedures and results. The program consists of four parts. They are: (1) Program Guide, (2) Diagnostic Assessment Procedures, (3) Design for

Instruction and (4) Supplemental Source Book. The program was approved for production together with the suggestion that a slide/tape introduction be developed to assist preservice and inservice training.

Sheri Bortner introduced prevocational materials which were designed relating to areas identified in an earlier vocational needs assessment for multi-handicapped students. Seven types of materials were developed with accompanying software. It was recommended that all items be approved for production.

Several items were presented by Frank Franks for committee approval. They were: metric measurement materials addressing to volume/capacity and mass/weight; two- and three-dimensional relationship aids; and continental relief map cassette sets. The committee voted to approve the metric measurement sets for production with the suggestion that they be divided into beginning and advanced levels. The two- and three-dimensional relationship aids kit and the continental relief map cassette sets were approved. Both the metric measurement sets and the two- and three-dimensional relationship kits were approved with the understanding that they would meet federal safety standards.

Final item of business discussed the APH report format about educational aids being suggested for production. After review of the three formats used, the committee recommended that a five column form be followed. The columns are: item description, purpose, materials, safety review report, and field testing results. If possible, cost estimates should be included.

Appreciation was expressed to APH for the excellent premeeting reporting system utilized this year. It helped the committee be more responsive to the needs of children and youth with visual handicaps.

Respectfully submitted,
Marilyn Sorensen

PRODUCTION RECORDS FOR THE FISCAL YEARS 1976-1979 PUBLICATIONS

<i>Braille</i>	<i>1976-77</i>	<i>1977-78</i>	<i>1978-79</i>
<i>Press-Braille</i>			
Number of Plates Stereotyped	163,454	139,197	112,699
Number of Titles Embossed:			
Literary	492	480	209
Music	29	180	0
Magazines	520	536	537
Number of Pages Printed	46,713,584	43,356,236	55,075,276
Number of Volumes Bound	92,747	80,214	117,854
Number of Pamphlets Published:			
Jute Covers	36,129	26,563	44,818
Paper Covers	29,111	44,067	60,065
Number of Magazines Published	292,343	320,196	305,835
Number of Music Selections Published	1,515	275	2,350
<i>Vacuumform-Braille:</i>			
Number of Pages Printed	352,290	633,635	489,368
Number of Volumes Bound	5,884	9,211	7,447
<i>Print and Print and Braille</i>			
Number of Alphabet Cards Printed	2,206,900	1,691,025	1,321,785
Number of Volumes Printed and Bound	20,172	27,589	17,234
Number of Pamphlets Printed and Bound }			
Number of Catalogs Published:			
Print	20,862	7,500	40,723
Braille Brochures .....	.....	.....	7,500
Print Brochures	454,397	662,584	493,723
<i>Large Print</i>			
<i>Regular Multiple-copy Runs:</i>			
Number of Plates Made	11,469	12,119	23,454
Number of New Titles Published	117	109	112
Number of Pages Printed	10,092,368	12,648,016	13,020,140
Number of Volumes Bound	22,836	27,697	31,681
Number of Pamphlets Bound	39,086	47,709	49,937
<i>Short-run Process:</i>			
Number of Plates Made	254,631	183,186	313,252
Number of Titles Published	1,024	636	1,300
Number of Pages Printed	2,897,514	2,329,028	4,411,971
Number of Copies Bound	18,629	13,140	28,043
<i>Recordings</i>			
<i>Talking Books (discs):</i>			
<i>Rigid</i>			
Number of Masters Recorded	*2,703	2,111	1,735
Number of Books Recorded	*301	293	188
Number of Magazines Recorded	*330	39	22
Number of Records Pressed	*5,598,963	1,754,999	923,498
<i>*Included Flexible discs</i>			

	1976-77	1977-78	1978-79
<i>Flexible</i>			
Number of Masters Recorded .....	.....	1,122	1,325
Number of Books Recorded .....	.....	.....	3
Number of Magazines Recorded .....	.....	198	161
Number of Records Pressed .....	.....	5,070,680	6,379,262
<i>Tapes:</i>			
Number of Titles Recorded	190	300	461
Number of Reading Recorded	1,395	1,968	2,306
Number of Tapes Duplicated	4,488	6,088	6,412
Number of Cassette Duplicated	410,366	523,190	593,375

TANGIBLE AIDS

Braille Paper, Notebooks, Book Binders

Paper:

Accordion-folded Notepaper (pkgs.) .....	.....	49	111
Braille Slate and Writer Paper (pkgs.)	4,071	1,962	4,572
Transcribing Paper (reams)	11,193	9,015	12,876
Notebook Fillers (pkgs.)	4,419	3,260	3,022
Brown Braille Paper (to fit Krebs Binder) (pkgs.) .....	.....	.....	.....
Transcribing Paper (to fit Krebs Binder) (reams)	500	.....	786
Brailon (to fit Krebs Binder) (pkgs.)	1,700	1,800	2,674
Brailon 11 × 11½, 3 Holes	608	200	500

Notebooks:

Ringed Notebooks	5,634	3,168	4,388
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Binders:

Krebs Binders	11,304	5,500	21,826
Locking Element for Krebs Binders (1-ring)	100	200
Loose Leaf Binders (19-ring)	1,502	.....	.....

Braille Writing and Embossing Equipment Slates and Styluses:

Metal Guides	2,791	3,307	5,685
Plastic Guides	5,030	.....	8,272
Interpoint Metal Pocket Guide	220	536	.....
Interpoint Metal Postcard Guide	65	.....	129
Styluses	24,271	.....	10,264
Desk Slate, 4-Line, 41-Cell with	139	135	253

Braillewriters:

Lavender Writers	176	.....	50
Perkins Braillers	578	975	580

Erasers:

Wooden .....	.....	.....	.....
Teflon	464	523	1,161

Programming Aids:

Aluminum Diagramming Sheets .....	.....	.....	206
Braille Clockface Sheets	181,000	10,000	15,150
Graph Sheets:			
Embossed	1,004	350	953
Bold-line	653	1,027	488
Swail Dot Inverter Kit and Pad	271	331	185

	1976-77	1977-78	1978-79
<i>Aids for Geography</i>			
Braille Atlases	625	225	1,300
Landform Models	50	.....	.....
<i>Maps:</i>			
Plastic	102	.....	.....
Braille	300	.....	327
Large Type	825	1,082	2,339
Simplified Continental Relief	258	.....	.....
Storage Folders .....	.....	50	100
Globe and Plaque Kits .....	.....	.....	.....
Dissected	39	41	3
Easels	25	.....	.....
<i>Relief Globes; Plaques, Mileage Scales:</i>			
30" Floor Pedestal Globe	20	4	21
12" Table Model Globes	125	.....	163
12" Globe Mileage Scale	50	.....	.....
30" Globe Mileage Scale .....	.....	.....	.....
Globe Plaque			
10" .....	.....	50	.....
<i>Handwriting Aids</i>			
APH Signature Guide	2,280	.....	1,999
Bold-Line Writing Paper (lbs.)	35,903	36,771	43,388
Freund Longhand Writing Kit	204	.....	350
Longhand Writing Paper (pkgs.)	413	.....	.....
Embossed Pencil-writing Paper (pads)	2,018	.....	1,409
Script-writing Boards .....	.....	499	.....
<i>Kindergarten and Primary Aids</i>			
Braille Clockfaces	639	518	.....
Constructo Sets:			
Senior	150	100	103
Junior	302	200	300
Giant Textured Beads	414	814	1,343
Bead Stringer	400	200	300
Cardboard Squares for Parquetry			
Paper Work	4,000	.....	3,000
Cardboard Sewing Cards	8,000	.....	7,000
Shape Board	399	.....	293
Shoelace Aid	511	403	304
Nylon Shoe Lace	151	220	107
Work-Play Trays:			
Large	1,348	988	732
Small	1,116	500	1,344
Primary Peg Set	774	204	401
Sensory Cylinders	798	.....	499

<i>Aids for Mathematics</i>	1976-77	1977-78	1978-79
Arithmetic Type Slates:			
Brannan Cubarithm Slate and Cubes:			
Slate Frame	361	.....	.....
Braille Cubes (sets)	318	.....	.....
Cranmer Abacus and Coupler:			
Abacus	4,975	4,000	5,000
Coupler .....	.....	246	206
Large Abacus	1,440	500	1,950
Fractional Parts of Wholes	273	.....	200
GAVA (Geometric Area and Volume Aid) .....	.....	100	100
Graphic Aid for Mathematics .....	.....	151	99
Master Cube .....	.....	.....	.....
Mitchell Wire Forms, etc.	149	.....	28
Numeraid	75	238	162
Raised-line Checkbook	433	437	342
Rulers:			
English 1-foot Ruler with Caliper Slide .....	.....	305	228
Metric-English Ruler with Caliper Slide	642	354	1,010
Glue-down Ruler	689	.....	.....
Caliper Slide .....	.....	.....	.....
Tactual Ruler Familiarization	157	.....	151
<i>Miscellaneous Aids</i>			
APH Friction Pads Kit	246	100	200
Audible Goal-Locators:			
Portable Model	200	231	235
Braille Mailing Tubes	102	87	100
Chang Mobility Kits	250	150	.....
Individual Study Screens .....	.....	250	.....
Reading Stands and Racks:			
Desk-top Reading Stand	434	549	606
Gore Reading Stand	200	96	141
Piano Rack for Partially Seeing .....	.....	75	50
Shafer Reading Stand	248	100	244
Seated Parquetry Set	396	200	600
Staley Sports Field Kit .....	.....	.....	100
Stokes Place-Holder	561	.....	92
<i>Music Aids</i>			
Beetz Notation-Graph	26	.....	50
L.T. Music Staff Paper .....	.....	355	.....
<i>Braille Reading Readiness</i>			
Formboard with Removable "Hands"	496	200	.....
Roughness Discrimination Test	300	.....	225
Braille Code Recognition Materials			
Instruction Kit	200	300	.....
Braille Code Recognition Teachers Kit	200	300	.....
Tactual Aids for Reading	499	.....	503
Tactual Aids for Reading 4-drawer Container	167	100	150

	1976-77	1977-78	1978-79
<i>Science Aids</i>			
Science Measurements Kit	98	48	139
Biological Models	100	.....	78
Simple Machine Kit I .....	.....	182	.....
Simple Machine Kit II .....	.....	.....	.....
Simple Machine Kit III .....	.....	.....	.....
Identification Kit	75	.....	100
<i>Spelling Aids</i>			
Spelling Frame with Braille and			
Large Type Words:			
Frame	200	150	596
Braille Words	336	.....	116
Large Type Words	197	.....	296
Dolch Word Cards	759	.....	611
<i>Aids for Recorded Materials</i>			
Talking Book Reproducers:			
APH Model TR1000 (three-speed)	146	199	126
APH Model VTR5000 (variable speed)	79	155	176
Tape Recorders:			
APH Adapted Sony 105 (standard speed) ...	.....	.....	27
APH Adapted Sony 105 (variable speed) ...	562	284	129
Head Sets	900	900	599
Talking Book Albums	1,768	700	350
Talking Book and Braille Containers:			
Black Fiberboard	27,817	25,735	29,736
Plastic	1,181,069	1,106,210	1,710,208
Plastic Cassette Trays	62,435	36,210	25,384
Headphone Adapter Plug	300	300	200
APH Self-Threading Reel	50	100	200
Multiple Headset Adapter	300	249	250
83-D Needle Cartridge	400	200	400
6-Foot Extension Cord	148	100	100
Foot Pedals Switch	598	549	500
Cassette Indicator .....	.....	.....	.....

ADDITIONAL PRODUCTION

Numberline	210	197	201
Textured Blocks	558	300	839
Switchcraft Patchcord .....	.....	100	100
G.E. Head Set	1,257	1,139	1,199
R/M Headset Adptr. Plug	300	200	300
G.E. Cass. Rec.-P/B 3-5192	5,664	1,042	.....
G.E. Cass. Rec.-P/B 3-5193 .....	.....	4,650	6,032
G.E. Remote Microphone	1,211	985	900
G.E. Patchcord Kit	600	600	400
Head Cleaning Cass.	698	517	500
G.E. Cass. Strap	500	500	500
Tact. Disc. Wkshts. 4 Pt. ....	.....	.....	400
Tact. Disc. Inst. and Wksht. ....	.....	.....	596
Geometric Forms	330	217	.....
TRR Teachers	200	100	100
TRR Students	200	100	200
Variable Speech Control	457	471	395
Baseball Game	125	100	100
Circular Slide Rule .....	.....	.....	.....
CI-Tabs	195	.....	150
Geographical Concepts/T .....	.....	247	.....
Geographical Concepts/S .....	.....	.....	.....
Light Sensor Unit/Manual	200	100	177
Soniguide .....	.....	100	100
Take Away Game	25	166	220
Typewriting Bld. Student/T	300	200	114
Typewriting Bld. Student/S	200	200	200
Introduction to Map Study II .....	.....	100	.....
In and Out Board	99	.....	769
Introductory Simple Machines	98	98	.....
Pull-A-Part Cell	150	.....	70
Simple Multiple Choice Answer Sheets .....	.....	1,500	.....
Puzzle Form Board Kit	406	260	.....
Small Work & Play Tray Dividers	101	300	501
Individualized Science Experiments I	93	97	.....
Peg-A-Circle	127	254	899
Small, Medium and Large Circles I	100	307	862
Small, Medium and Large Circles II	200	.....	907
Sensory Stimulation Kit .....	.....	.....	100
Sound Matching Board I	75	.....	1,108
Sound Matching Board II	75	.....	1,007
Student Speech Plus Talking Calculator .....	.....	957	818
SSPC Anti Theft Cable .....	.....	200	323
Tactile Test of Basic Concepts	121	.....	401
Ten Spot Game	25	150	201
Textured Pegs I	101	.....	937
Textured Matching Blocks	75	.....	1,069
Game of Square .....	.....	.....	25
Listen & Think Kits .....	.....	650	375

DISTRIBUTION OF JANUARY 1, 1979, QUOTA REGISTRATIONS BY SCHOOL GRADES AND READING MEDIA

<i>Grades:</i>	<i>Braille</i>	<i>Large Type</i>	<i>Both</i>	<i>Neither</i>	<i>Totals</i>	<i>Grand Totals</i>
Kindergarten:						
Schools for Blind	96	83	13	57	249	
State Depts. Educ.	237	414	50	449	1150	1399
Grade I:						
Schools for Blind	81	72	12	28	193	
State Depts. Educ.	176	634	41	184	1035	1228
Grade II:						
Schools for Blind	56	56	6	43	161	
State Depts. Educ.	120	630	39	152	941	1102
Grade III:						
Schools for Blind	76	76	15	34	201	
State Depts. Educ.	144	704	33	162	1043	1244
Grade IV:						
Schools for Blind	72	86	8	30	196	
State Depts. Educ.	158	687	34	132	1011	1207
Grade V:						
Schools for Blind	77	69	16	47	209	
State Depts. Educ.	129	670	44	143	986	1195
Grade VI:						
Schools for Blind	77	81	9	30	197	
State Depts. Educ.	121	630	25	123	899	1096
Grade VII:						
Schools for Blind	122	94	16	26	258	
State Depts. Educ.	127	678	29	145	979	1237
Grade VIII:						
Schools for Blind	121	122	19	41	303	
State Depts. Educ.	138	673	38	179	1028	1331
Grade IX:						
Schools for Blind	126	153	14	33	326	
State Depts. Educ.	121	657	30	149	957	1283
Grade X:						
Schools for Blind	138	158	13	30	339	
State Depts. Educ.	148	583	35	188	954	1293
Grade XI:						
Schools for Blind	124	140	7	16	287	
State Depts. Educ.	126	514	23	162	825	1112
Grade XII:						
Schools for Blind	137	105	22	31	295	
State Depts. Educ.	158	442	28	172	800	1095

	<i>Braille</i>	<i>Large Type</i>	<i>Both</i>	<i>Neither</i>	<i>Totals</i>	<i>Grand Totals</i>
Ungraded:						
Schools for Blind	688	710	54	1289	2741	
State Depts. Educ.	843	2246	191	7260	10540	13281
Post-Graduate:						
Schools for Blind	3	4	0	14	21	
State Depts. Educ.	16	15	2	11	44	65
Adult Trainees:						
Schools for Blind	464	316	67	560	1407	
State Depts. Educ.	149	124	19	201	493	1900
Deaf-Blind:						
Schools for Blind	145	313	20	278	756	
State Depts. Educ.	144	170	22	643	979	1735
Cerebral Palsy:						
Schools for Blind	3	11	0	61	75	
State Depts. Educ.	10	81	2	90	183	258
Totals:						
Schools for Blind	2606	2649	311	2648	8214	
State Depts. Educ.	3065	10552	685	10545	24847	
	5671	13201	996	13193	33061	33061
Schools for the Blind	6807	20.6%				
Adult Trainees	1900	5.7%				
State Depts. of Educ.	24354	73.7%				

Explanation of reading mediums:

Braille—includes Braille readers only.

Large Type—includes large type and large type-regular ink-print readers.

Both—includes Braille-large type readers.

Neither—includes readers of regular ink-print only, or recorded materials only, and non-readers.

STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS FOR THE FISCAL YEAR ENDED JUNE 30, 1979

CASH BALANCE, JULY 1, 1978 \$ 723,201

RECEIPTS

From U. S. Government "to provide for the education of the blind"	\$ 3,482,300
From U. S. Government "to render advisory services"	81,700
From U. S. Government "for educational and technical research"	250,000
Products provided to other agencies	6,267,038
Reader's Digest Fund contributions	783,237
Newsweek Fund contributions	439,936
Endowment Fund contributions	8,812
Building Fund contributions	267,451
Interest and dividends received	543,800
Investments liquidated	386,502
Proceeds from bank borrowing	500,000
Sale of scrap and other income	20,293
Insurance recovery on fire loss	163,010

TOTAL RECEIPTS 13,194,079

TOTAL CASH AVAILABLE \$13,917,280

DISBURSEMENTS

Salaries and wages, other than fund raising and advisory services	\$ 4,262,976
Materials	5,298,340
Manufacturing supplies	202,905
General factory overhead	606,022
Shipping and circulation expense	119,078
Research and experimental expense	350,456
Fund raising, labor	60,743
Fund raising, materials and supplies	289,331
Administrative and office expense	322,637
Interest	9,725
Retirement	222,115
Payroll taxes	263,723
IBM operation	132,571
Cost of advisory services rendered	51,749
Investments purchased	876,624
Factory and office equipment	327,484
Repayment of bank borrowing	50,000
Payment on equipment financing	12,553
Total	<u>\$13,459,032</u>
Less cash discounts taken	31,396

TOTAL DISBURSEMENTS 13,427,636

CASH BALANCE, JUNE 30, 1979 \$ 489,644

DISBURSEMENTS
U. S. GOVERNMENT ACCOUNT
July 1, 1978 — June 30, 1979

Unexpended FY '78 Funds 7/01/78.....	1,160,238.37	
Plus: FY '79 Allocation:		
Educational Materials	3,584,000.00	
Advisory Services	82,000.00	
Educational Research	250,000.00	3,916,000.00
		<u>5,076,238.37</u>
Less: Unexpended Funds 6/30/79:		
Educational Materials	912,221.38	
Advisory Services	30,630.10	
Educational Research	179,020.23	1,121,871.71
Total Expenditures 7/01/78 — 6/30/79 ...		<u><u>3,954,366.66</u></u>
Expenditures 7/01/78 — 6/30/79		
<u>Manufacturing</u>		
Services	2,133,257.60	
Stereograph Metal	16,026.96	
Vacuum Form Materials	110,695.53	
Large Type Materials	197,904.19	
Printing & Binding Materials	446,570.03	
Printing & Binding Supplies	5,287.50	
Educational Aids and Materials	654,363.69	
Miscellaneous	57,500.00	
Total	3,621,605.50	
<u>Advisory Services</u>		
Salaries	36,763.20	
Staff and Committee Travel	13,833.82	
Supplies and Related Expenses	1,151.51	
Total	51,748.53	
<u>Educational Research</u>		
Salaries	212,025.20	
Staff and Committee Travel	40,656.13	
Supplies and Related Expenses	28,331.30	
Total	281,012.63	
Total Expenditures 7/01/78 — 6/30/79.		<u><u>3,954,366.66</u></u>

**ORGANIZATIONS FOR THE EDUCATION
OF THE VISUALLY IMPAIRED IN THE UNITED STATES
RECEIVING FEDERAL QUOTA FUNDS DUE UNDER THE
"ACT TO PROMOTE THE EDUCATION OF THE BLIND."**

FISCAL YEAR, 1979

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
Alabama Institute for the Deaf & Blind		
Talladega, Alabama	1,111	\$ 122,649.74
Alabama State Department of Education		
Montgomery, Alabama	335	36,982.60
Alaska State Department of Education		
Juneau, Alaska	57	6,292.56
Arizona State School for the Deaf and the Blind		
Tuscon, Arizona	111	12,253.94
Arizona State Department of Education		
Phoenix, Arizona	186	20,533.62
Arkansas Enterprises for the Blind		
Little Rock, Arkansas	68	7,506.91
Arkansas Children's Colony		
Conway, Arkansas	36	3,974.25
Arkansas State School for the Blind		
Little Rock, Arkansas	167	18,436.10
Arkansas State Department of Education		
c/o Arkansas School for the Blind		
Little Rock, Arkansas	39	4,305.44
California School for the Blind		
Berkeley, California	101	11,149.98
Orientation Center for the Blind		
Albany, California	26	2,870.29
California State Department of Education		
Sacramento, California	3,346	369,384.38
Colorado School for the Deaf and Blind		
Colorado Springs, Colorado	52	5,740.58
Colorado Services for the Visually Impaired		
Denver, Colorado	56	6,182.17
Colorado State Department of Education		
Denver, Colorado	262	28,923.70
Oak Hill School		
Hartford, Connecticut	132	14,572.25
Mansfield State Training School		
Mansfield Depot, Connecticut	9	993.57
Connecticut State Board of Education and Services for the Blind		
Wethersfield, Connecticut	358	39,521.70
Bureau for the Visually Impaired		
Wilmington, Delaware	43	4,747.02

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
Delaware State Department of Public Instruction		
Dover, Delaware	95	10,487.60
Florida Association of Workers		
Miami, Florida	99	10,929.18
Independent Living for Adult Blind		
Jacksonville, Florida	31	3,422.27
Florida School for the Deaf and the Blind		
St. Augustine, Florida	139	15,345.02
Rehabilitation Center for the Blind		
Daytona Beach, Florida	46	5,078.21
Florida State Department of Education		
Tallahassee, Florida	1,046	115,474.01
Gracewood State School and Hospital		
Gracewood, Georgia	9	993.56
Georgia Academy for the Blind		
Macon, Georgia	168	18,546.50
Georgia Rehabilitation Center		
Warm Springs, Georgia	18	1,987.12
Georgia State Department of Education		
Atlanta, Georgia	500	55,197.91
Atlanta Area Services for the Blind		
Atlanta, Georgia	18	1,987.12
Hawaii State Department of Education		
Honolulu, Hawaii	40	4,415.83
Hawaii School for the Deaf and the Blind		
Honolulu, Hawaii	15	1,655.94
Idaho State School for the Deaf and the Blind		
Gooding, Idaho	31	3,422.27
Idaho Commission for the Blind/Adult Orientation & Adjustment Center		
Boise, Idaho	23	2,539.11
Idaho State Department of Education c/o Idaho State School for the Deaf and the Blind		
Gooding, Idaho	53	5,850.98
Chicago Lighthouse for the Blind		
Chicago, Illinois	99	10,929.18
Illinois School for the Visually Impaired		
Jacksonville, Illinois	128	14,130.66
Illinois Visually Handicapped Institute		
Chicago, Illinois	53	5,850.98
Hope School for the Blind		
Springfield, Illinois	73	8,058.90
Illinois State Department of Public Instruction		
Springfield, Illinois	1,532	169,126.38
Indiana School for the Blind		
Indianapolis, Indiana	181	19,981.64

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
Indiana State Department of Public Instruction		
Indianapolis, Indiana	521	57,516.22
Iowa Braille & Sight Saving School		
Vinton, Iowa	78	8,610.87
Iowa Commission for the Blind		
Des Moines, Iowa	24	2,649.50
Woodward State Hospital-School		
Woodward, Iowa	20	2,207.92
Iowa State Department of Public Instruction		
Des Moines, Iowa	232	25,611.83
Kansas State School for the Visually Handicapped		
Kansas City, Kansas	56	6,182.16
Kansas Rehabilitation Center for the Adult Blind		
Topeka, Kansas	8	883.17
Kansas State Department of Education		
Topeka, Kansas	282	31,131.62
Kentucky Rehabilitation Center for the Blind		
Louisville, Kentucky	12	1,324.75
Kentucky School for the Blind		
Louisville, Kentucky	96	10,597.99
Department of Human Resources		
Frankfort, Kentucky	—0—	—0—
Kentucky State Department of Education		
Frankfort, Kentucky	346	38,196.95
Louisiana State School for the Blind		
Baton Rouge, Louisiana	142	15,676.20
Louisiana State Department of Education		
Baton Rouge, Louisiana	415	45,814.27
State of Maine, Division of Eye Care		
Augusta, Maine	151	16,669.76
Maryland School for the Blind		
Baltimore, Maryland	272	30,027.67
D. C. Children's Center		
Laurel, Maryland	27	2,980.68
Maryland State Department of Education		
Baltimore, Maryland	489	53,983.55
Massachusetts Association for the Blind		
Boston, Massachusetts	58	6,402.96
Perkins School for the Blind		
Watertown, Massachusetts	196	21,637.58
Boston Center for Blind Children		
Boston, Massachusetts	19	2,097.52
Walter E. Fernald State School		
Waverly, Massachusetts	39	4,305.44
Protestant Guild for the Blind		
Watertown, Massachusetts	10	1,103.96

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
Massachusetts State Department of Education		
Boston, Massachusetts	646	71,315.69
Michigan School for the Blind		
Lansing, Michigan	147	16,228.19
Rehabilitation Institute		
Detroit, Michigan	15	1,655.93
Michigan Rehabilitation Center for the Blind		
Kalamazoo, Michigan	24	2,649.50
Michigan State Department of Education		
Lansing, Michigan	1,470	162,281.84
Minnesota Braille and Sight Saving School		
Faribault, Minnesota	44	4,857.42
Minneapolis Society for the Blind		
Minneapolis, Minnesota	27	2,980.69
Minnesota State Department of Education		
St. Paul, Minnesota	475	52,438.01
Mississippi School for the Blind		
Jackson, Mississippi	126	13,909.87
Mississippi Vocational Rehabilitation for the Blind		
Jackson, Mississippi	23	2,539.10
Mississippi State Department of Education		
Jackson, Mississippi	117	12,916.31
Missouri School for the Blind		
St. Louis, Missouri	166	18,325.71
Missouri State Department of Education c/o Missouri School for the Blind		
St. Louis, Missouri	435	48,022.18
Rehabilitation Institute for Kansas City		
Kansas City, Missouri	15	1,655.93
Montana School for the Deaf and Blind		
Great Falls, Montana	22	2,428.71
Montana State Department of Public Instruction		
Great Falls, Montana	143	15,786.60
Nebraska School for the Visually Handicapped		
Nebraska City, Nebraska	42	4,636.63
Nebraska State Department of Education		
Nebraska City, Nebraska	132	14,572.24
Nevada State Department of Education		
Carson City, Nevada	80	8,831.67
New Hampshire State Department of Education		
Concord, New Hampshire	155	17,111.35
New Jersey Commission for the Blind		
Newark, New Jersey	968	106,863.14
New Mexico School for the Visually Handicapped		
Alamogordo, New Mexico	97	10,708.40

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
New Mexico State Department of Education		
Alamogordo, New Mexico	265	29,254.89
New York Institute for the Education of the Blind		
Bronx, New York	155	17,111.35
New York State School for the Blind		
Batavia, New York	117	12,916.31
New York State Department of Education		
Albany, New York	1,738	191,867.92
Lavelle School for the Blind		
Bronx, New York	68	7,506.91
The Governor Morehead School		
Raleigh, North Carolina	246	27,157.37
Murdoch Center		
Butner, North Carolina	61	6,734.14
North Carolina Department of Human Resources		
Raleigh, North Carolina	29	3,201.48
North Carolina State Department of Public Instruction		
Raleigh, North Carolina	382	42,171.20
North Dakota School for the Blind		
Grand Forks, North Dakota	52	5,740.58
North Dakota State Department of Public Instruction		
Bismarck, North Dakota	10	1,103.96
Clovernook Home and School for the Blind		
Cincinnati, Ohio	15	1,655.94
Ohio State School for the Blind		
Columbus, Ohio	126	13,909.87
Vision Center of Central Ohio, Inc.		
Columbus, Ohio	35	3,863.86
Ohio Resource Center for the Visually Handicapped		
Columbus, Ohio	1,158	127,838.35
Parkview School		
Muskogee, Oklahoma	120	13,247.49
Oklahoma State Department of Public Instruction		
Oklahoma City, Oklahoma	170	18,767.29
Oregon State School for the Blind		
Salem, Oregon	85	9,383.65
Oregon State Department of Education		
Salem, Oregon	209	23,072.72
Overbrook School for the Blind		
Philadelphia, Pennsylvania	143	15,786.60
Elwyn Institute		
Elwyn, Pennsylvania	48	5,299.00
Western Pennsylvania School for Blind Children		
Pittsburgh, Pennsylvania	155	17,111.35
The Greater Pittsburgh Guild for the Blind		
Bridgeville, Pennsylvania	32	3,532.67

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
Royer-Greaves School for the Blind		
Paoli, Pennsylvania	64	7,065.33
Pennsylvania State Department of Education		
Harrisburg, Pennsylvania	1,334	147,268.01
Rhode Island State Department of Education		
Providence, Rhode Island	136	15,013.83
South Carolina School for the Deaf and Blind		
Spartanburg, South Carolina	139	15,345.02
South Carolina Commission for the Blind		
Columbia, South Carolina	32	3,532.66
South Carolina State Department of Education		
Columbia, South Carolina	359	39,632.10
South Dakota School for the Visually Handicapped		
Aberdeen, South Dakota	24	2,649.50
South Dakota Service to the Visually Impaired		
Sioux Falls, South Dakota	5	551.98
South Dakota Division of Elementary and Secondary Education		
Pierre, South Dakota	36	3,974.25
Tennessee School for the Blind		
Nashville, Tennessee	156	17,221.74
Clover Bottom Development Center		
Donelson, Tennessee	21	2,318.31
Tennessee State Department of Education		
Nashville, Tennessee	578	63,808.78
Texas School for the Blind		
Austin, Texas	190	20,975.21
Criss Cole Rehabilitation Center		
Austin, Texas	52	5,740.58
Texas Education Center		
Austin, Texas	1,302	143,735.35
Utah School for the Blind		
Ogden, Utah	78	8,610.87
Utah State Department of Public Instruction c/o Utah School for the Blind		
Ogden, Utah	125	13,799.47
Vermont State Department of Education		
Montpelier, Vermont	58	6,402.96
Virginia School for the Deaf and the Blind		
Staunton, Vermont	51	5,630.19
Virginia School at Hampton		
Hampton, Virginia	63	6,954.94
Virginia Commission for the Visually Handicapped		
Richmond, Virginia	157	17,332.14
Virginia State Department of Education c/o Virginia Commission for the Visually Handicapped		
Richmond, Virginia	434	47,911.78

<i>Name of Institution</i>	<i>Pupils as of January 3, 1978</i>	<i>Quota Allocation FY '79</i>
Washington State School for the Blind		
Vancouver, Washington	91	10,046.02
Washington State Department of Public Instruction		
Tacoma, Washington	435	48,022.17
West Virginia Schools for the Deaf and the Blind		
Romney, West Virginia	89	9,825.23
Colin Anderson Center		
St. Marys, West Virginia	35	3,863.86
West Virginia State Department of Education		
Charleston, West Virginia	267	29,475.68
Wisconsin School for the Visually Handicapped		
Janesville, Wisconsin	118	13,026.70
Wisconsin State Department of Education		
Madison, Wisconsin	480	52,989.99
Wyoming State Department of Education		
Cheyenne, Wyoming	106	11,701.96
National Children's Center		
Washington, D.C.	19	2,097.52
District of Columbia Public Schools		
Washington, D.C.	90	9,935.62
Columbia Lighthouse for the Blind		
Washington, D.C.	40	4,415.83
Canal Zone Division of Schools		
Balboa Heights, Canal Zone	—0—	—0—
Instituto Loaiza Cordero Para Ninos Ciegos		
Santurce, Puerto Rico	84	9,273.25
Rehabilitation Center for the Blind of Puerto Rico		
Santurce, Puerto Rico	30	3,311.88
Guam School for the Deaf and the Blind		
Agana, Guam	14	1,545.54
	<u>32,465</u>	<u>\$3,584,000.00</u>

